

Updated/Interference

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------|------------------|---------|------------------|
| L4 | 27 | ("2753181").URPN. | USPAT | OR | ON | 2006/06/23 12:14 |
| L5 | 12 | ("2753181" "3823743" "4043360" "4411292" "5327941" "5542659" "5913268" "6038976" "6270074" "6371430" "6460991").PN. OR ("6612236").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/23 12:15 |
| L6 | 23 | ("2753181" "3385490" "3971496" "4131320" "4182472" "4197972").PN. OR ("4288015").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/23 12:20 |
| L9 | 7 | ("3222059").URPN. | USPAT | OR | ON | 2006/06/23 12:21 |
| L12 | 29 | ("2782574" "2910265" "2998256" "3307817" "3335994").PN. OR ("3907268").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/23 12:22 |
| L15 | 70 | ("2033205" "2060082" "2198765" "2680994" "2727463" "2923235" "3078796" "3110107" "3294392" "3295443" "3393589" "3670646" "3907268" "4005653" "4056057" "4089265" "4103580" "4237466" "4361063" "4471802" "4479435" "4534249" "4561355" "4589338" "4596468" "4604811" "4641577" "4665824" "4683822" "4744297").PN. OR ("4878407").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/23 12:27 |
| L16 | 18 | ("2302855" "3073198" "3752021" "3752042" "4257298" "4561355" "4815343" "4844429" "4854555" "4878407" "4914936" "5003854" "5230271" "5638733" "5875699" "6109158").PN. OR ("6925923").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/23 12:27 |
| L17 | 24 | ("0894117" "1205106" "3157396" "3596895" "4078722" "4294324" "4378935" "4643407" "4664362" "4688774" "4741517" "4741521").PN. OR ("4844429").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/23 12:29 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|-----|------------------|
| L18 | 32 | ("0337236" "0854047" "1491241" "2541282" "2910265" "2929399" "3236488" "3468338" "3561471" "3602543" "3905408" "4221356" "4249566" "4421292" "4539959" "4650233" "4718629" "4830046" "5374021" "5441202" "5772170").PN. OR ("5960821"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/23 12:41 |
| L19 | 30 | ("2929399" "3106226" "3331389" "3489172" "3977430" "4638835").PN. OR ("4830046"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/23 12:43 |
| L20 | 8 | ("4741247" "4830046" "5035312" "5209153" "5313873" "5315873" "5613518" "6244410").PN. OR ("6851350"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/23 12:43 |
| L21 | 13 | ("1078347" "1100219" "2916042" "3322145" "3407827" "3977430" "4030520" "4257448").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/23 12:48 |
| L23 | 2593 | ((271/276,194,196,108,96) or (294/64.1)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/23 14:08 |
| L24 | 0 | ((sheet paper) near3 (feed\$3 deliver\$3 convey\$3)) and ((vacuum suction) same (valve and (spring coil) and (open\$3 clos\$3 actuat\$3 block\$3))).clms. and l23 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/23 14:02 |
| L25 | 0 | ((feed\$3 deliver\$3 convey\$3) near3 (vacuum suction)) same (valve and (spring coil) and (open\$3 clos\$3 actuat\$3 block\$3))).clms. and l23 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/23 14:03 |
| L26 | 637 | ((feed\$3 deliver\$3 convey\$3) near3 (vacuum suction)) same (valve and (spring coil) and (open\$3 clos\$3 actuat\$3 block\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/23 14:04 |
| L27 | 51 | l26 and "137"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/23 14:04 |

EAST Search History

| | | | | | | |
|-----|------|---|---|----|-----|------------------|
| L28 | 16 | I23 and I26 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/23 14:08 |
| S1 | 422 | (271/276).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/10 15:00 |
| S2 | 109 | (251/89.5).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/10 14:54 |
| S3 | 342 | (251/12).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/10 14:54 |
| S4 | 43 | (sheet near3 (feed\$3 deliver\$3 convey\$3)) and ((suction near3 (nozzle tip head)) same (valve and (spring coil))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/10 14:58 |
| S5 | 47 | ((sheet paper) near3 (feed\$3 deliver\$3 convey\$3)) and ((suction near3 (nozzle tip head)) same (valve and (spring coil))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/10 15:25 |
| S6 | 422 | S1 and ("271"/\$.ccls. "251"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/10 14:59 |
| S7 | 30 | S5 and ("271"/\$.ccls. "251"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/10 14:59 |
| S8 | 1128 | (271/276,194,196,108,96).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/11 10:17 |
| S9 | 11 | ("3702698" "3834558" "3921971").PN. OR ("4640503").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/10 15:11 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|-----|------------------|
| S10 | 449 | ((sheet paper) near3 (feed\$3 deliver\$3 convey\$3)) and ((vacuum suction near3 (nozzle tip head)) same (valve and (spring coil))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/10 16:26 |
| S11 | 648 | ((sheet paper) near3 (feed\$3 deliver\$3 convey\$3)) and ((vacuum suction) same (valve and (spring coil) and (open\$3 clos\$3 actuat\$3 block\$3))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/23 14:02 |
| S12 | 91 | S8 and S11 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/10 16:29 |
| S13 | 83 | S12 not S7 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/10 16:29 |
| S14 | 16 | ("3908981" "4268841" "4660825" "4660964").PN. OR ("5329301").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/10 16:36 |
| S15 | 1128 | (271/276,194,196,108,96).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/23 14:02 |
| S16 | 648 | ((sheet paper) near3 (feed\$3 deliver\$3 convey\$3)) and ((vacuum suction) same (valve and (spring coil) and (open\$3 clos\$3 actuat\$3 block\$3))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 10:20 |
| S17 | 91 | S15 and S16 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 10:15 |
| S18 | 22 | ("0715905" "1222535" "1580671" "2986392" "3222059").PN. OR ("3754751").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/11 10:16 |
| S19 | 2559 | ((271/276,194,196,108,96) or (294/64.1)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/11 10:31 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|-----|------------------|
| S20 | 10 | ("3527166" "3584954" "3754751" "4378155" "4819928" "5414491" "5717446" "6328439" "6336722").PN. OR ("6543948").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/11 10:18 |
| S21 | 21 | ((sheet paper) near3 (feed\$3 deliver\$3 convey\$3)) and ((vacuum suction) same (valve near3 (spher\$3 ball))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 12:19 |
| S22 | 10 | ("0715905" "2903290" "3207325" "3754751" "4692575" "5024574" "5409347").PN. OR ("6039529").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/11 10:21 |
| S23 | 7 | ("3222059").URPN. | USPAT | OR | ON | 2006/02/11 10:26 |
| S24 | 1 | S19 and S21 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 10:28 |
| S25 | 1454 | (294/64.1).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/11 10:31 |
| S26 | 0 | ("I5andI11").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/11 10:31 |
| S27 | 1454 | S19 and S25 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 10:31 |
| S28 | 23 | S15 and S25 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 10:32 |
| S29 | 54 | (Transmission same (Mechanism and Continuous and Vacuum and Forming)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 10:56 |
| S30 | 2 | (Transmission same (Mechanism and (Continuous near2 Vacuum) and Forming)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 10:55 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|----|------------------|
| S31 | 2 | (Transmission same (Mechanism and (Continuous near2 Vacuum) and Forming)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 10:55 |
| S32 | 9319 | ((vacuum suction) same (valve and (drum roller))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 12:20 |
| S33 | 282 | S19 and S32 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/11 12:20 |
| S34 | 32 | ("2717756" "2753181" "3617127" "3975057" "4145040" "4202542" "4237466" "4294540" "4378155" "4504843" "4792249" "4878071" "4921240" "4926199" "4952950" "4982207" "5037079" "5124728" "5183252" "5197812" "5294965" "5383001" "5510822" "5563683" "5717446" "5757407" "5771054").PN. OR ("6357869").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/11 12:24 |
| S35 | 27 | ("2753181").URPN. | USPAT | OR | ON | 2006/02/11 12:25 |
| S36 | 46 | ("1763124" "2317348" "2417496" "2753181" "3078796" "3112698" "3146709" "3222051" "3294392" "3335994" "3353481" "3406938" "3512487" "3536009").PN. OR ("4005653").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/11 12:27 |
| S37 | 69 | ("2033205" "2060082" "2198765" "2680994" "2727463" "2923235" "3078796" "3110107" "3294392" "3295443" "3393589" "3670646" "3907268" "4005653" "4056057" "4089265" "4103580" "4237466" "4361063" "4471802" "4479435" "4534249" "4561355" "4589338" "4596468" "4604811" "4641577" "4665824" "4683822" "4744297").PN. OR ("4878407").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/11 12:28 |
| S38 | 29 | ("2782574" "2910265" "2998256" "3307817" "3335994").PN. OR ("3907268").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/11 12:45 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|-----|------------------|
| S39 | 8 | ("2910265").URPN. | USPAT | OR | ON | 2006/02/11 12:47 |
| S40 | 32 | ("0337236" "0854047" "1491241" "2541282" "2910265" "2929399" "3236488" "3468338" "3561471" "3602543" "3905408" "4221356" "4249566" "4421292" "4539959" "4650233" "4718629" "4830046" "5374021" "5441202" "5772170").PN. OR ("5960821").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/11 12:48 |
| S41 | 16 | ("2694337" "2782574" "2798757" "2814233" "2840415" "2880030" "2910265" "3366410").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/11 12:51 |
| S42 | 23 | ("2694337" "2782574" "2798757" "2814233" "2840415" "2880030" "2910265" "3366410").PN. OR ("3591228").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/11 12:51 |
| S43 | 13 | ("4145040" "4234305").PN. OR ("4437659").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/13 10:00 |
| S44 | 2559 | ((271/276,194,196,108,96) or (294/64.1)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/13 10:10 |
| S45 | 5 | "642610".ap. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 10:13 |
| S46 | 24 | S44 and "251"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 10:13 |
| S47 | 5 | ("20010038177" "3272415" "5988633" "6435088").PN. OR ("6598874").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/13 10:24 |
| S48 | 19 | ("3710470" "4145040" "4269405" "4270969" "4583729" "4666139" "4688784" "4838982" "4882015" "4998658" "5119550" "5186451" "5241907" "5291260" "5411245" "5716048" "5779236" "5813669").PN. OR ("6581517").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/13 10:25 |

EAST Search History

| | | | | | | |
|-----|-----|---|---|----|-----|------------------|
| S49 | 0 | "91060704" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 14:25 |
| S50 | 5 | "060704" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 14:25 |
| S51 | 392 | "18951" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 14:26 |
| S52 | 19 | "2250848" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 14:27 |
| S53 | 25 | mahalanobis same (currency banknote money) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 14:28 |
| S54 | 2 | ("5996768").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/28 12:29 |